

### AMENDMENTS TO THE CLAIMS

Claims 1-7. (Canceled)

8. (Previously presented) A method, comprising:

extracting blood from a patient;

concentrating platelets from the blood;

combining the platelets with a skin permeation enhancer and a pharmaceutically acceptable carrier for topical application to skin, thereby forming a composition.

9. (Currently amended) The method of claim 8, further comprising administering the composition to the patient, wherein the patient to which the composition is applied is the same patient from which the blood is extracted.

10. (Original) The method claim 8, wherein the carrier is an injectable carrier and is combined with a component chosen from collagen, cultured cells, and mixtures thereof.

Claims 11-45. (Canceled)

Claim 46. (New) The method of claim 8, wherein the acceptable carrier comprises a transdermal patch.

Claim 47. (New) The method of claim 46, wherein the transdermal patch comprises a permeable membrane.

Claim 48. (New) The method of claim 46, wherein the combined platelets and skin permeation enhancer are homogenously dispersed on the patch.

Claim 49. (New) The method of claim 46, wherein the patch further comprises an adhesive polymer matrix.

Claim 50. (New) A method of preparing a transdermal patch of claim 46 comprising:

applying a matrix to an impermeable support film, wherein the matrix comprises a composition comprising the platelets; and

applying a permeable membrane to the matrix which is permeable to the platelets in the composition.

Claim 51. (New) The method of claim 50, wherein the platelets in the composition are platelet-rich plasma.